

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Cancel claims 1 through 2.

3. (currently amended) A system, comprising:

a bus;

a plurality of clients coupled to the bus;

a memory coupled to the bus and shared by the plurality of clients;

a bus arbiter coupled to the bus, such bus arbiter granting access to the bus in response to such bus arbiter determining ~~to~~ whether one of the requesting clients requesting access to the bus has experienced an "address retry" condition during its previous bus access, and if so, the arbiter granting such one of the requesting clients priority access to the bus ~~at the earliest opportunity; otherwise, absent~~ previous to an "address retry", condition on the previous bus access, providing bus access to the requesting one, or ones, of the clients based on a criteria independent of "address retry" conditions being induced on the bus.

4. (currently amended) A system, comprising:

a bus;

a plurality of clients coupled to the bus;

a memory coupled to the bus and shared by the plurality of clients;

wherein each one of the clients is capable of inducing an "address retry" condition on the bus, such condition occurring when a memory address introduced onto the bus during a bus access by one of the clients points to a data location in such memory

currently being utilized by another one of the clients, such other one of the clients being the client inducing the "address retry" condition on the bus;

a bus arbiter coupled to the bus, such bus arbiter being responsive to bus access requests from one or ones of such clients for granting access to the bus, such bus access by one of such clients being used to transfer data between the client and the memory, such bus arbiter providing access to the bus in response to such bus arbiter determining whether one of the requesting clients requesting access to the bus experienced an induced "address retry" condition during its previous bus access and, if so, the arbiter granting such one of the requesting clients priority access to the bus—at the earliest opportunity; otherwise, such bus arbiter providing bus access to the requesting one or ones of the clients based on criteria independent of an "address retry" condition being induced on the bus.